

S/N unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chu, et al. Serial No.: unknown  
Filed: concurrent herewith Docket No.: 7933.208USU1  
Title: SEQUENCING OF PEPTIDES BY MASS SPECTROMETRY

CERTIFICATE UNDER 37 CFR 1.10

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By: 

Name: Brian Maharaj

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Plunkett  
9/5/01

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D. C. 20231


Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment in accordance with 37 CFR 1.121, a copy of which is enclosed herewith:


IN THE CLAIMS

Please amend claim 3 as follows:

3. (AMENDED) A method according to claim 1 wherein the oligopeptide comprises from about 3 to about 10 amino acids.

 Please amend claim 4 as follows:

4. (AMENDED) A method according to claim 1 wherein the silver is silver nitrate.

 Please amend claim 5 as follows:

5. (AMENDED) A method according to claim 1 wherein the determination of partial sequence comprises searching for, and identifying cleaved amino acid residues based on differences in  $m/z$  values of neighboring triplets where the  $m/z$  value of the  $[b_n - H + Ag]^+$  ion and the corresponding  $[y_n + H + Ag]^+$  ion are related by the formula:  $[y_n + H + Ag]^+ = [M + Ag]^+ + Ag^+ - [b_n - H + Ag]^+$ .

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